

State of Louisiana
Department of Transportation and Development (DOTD)
Materials and Testing Section Qualification Procedure
for

MECHANICAL BUTT SPLICING DEVICES (REBAR)

MATERIAL SPECIFICATION REFERENCE:

DOTD Standard Specifications, Supplemental Specifications and Special Provisions, Subsection 806.07 (Copy attached).

PRELIMINARY REQUIREMENTS:

Approved Materials Evaluation Form

The manufacturer shall submit a standard "Approved Materials Evaluation Form" to the DOTD Materials and Testing Section Coordinator listed below, for each system to be evaluated along with a letter requesting evaluation for the Approved Materials List.

General Information

Include all pertinent information relative to the material to be evaluated; including, but not limited to, manufacturer's specifications, typical analysis and a Safety Data Sheet (SDS) if applicable.

Certification and/or Test Reports

The manufacturer shall provide a notarized certificate of analysis reporting actual test results of the material properties for each product submitted.

Samples (to be furnished at no cost to the Department)

The manufacturer shall provide a demonstration of the splicing system for the Materials Engineer Administrator or his representative. Three completed splices shall be submitted for each bar size for which qualification is sought. In addition, two of the devices with component parts shall be furnished unspliced.

TEST REQUIREMENTS:

Laboratory Testing

- a) Visual Inspection - Visual inspection shall consist of determining whether the manufacturer's procedure is followed and if so, that a satisfactory splice can be obtained.

- b) Physical Testing - The completed splice shall meet 125% of the specified minimum yield strength of the rebar in tension when tested in accordance with ASTM A 615.
- c) Chemical Analysis - The device shall be subjected to chemical analysis and must meet the grade of steel specified in the manufacturer's product literature.

Evaluation Time

Laboratory testing - 1 month

GENERAL:

Upon completion of the evaluation, the submitter will be notified in writing concerning the results of the evaluation and whether the material will or will not be added to the Approved Materials List. The Department must be notified in writing of any change in material formulation. Significant changes may require reevaluation of the material.

PROJECT ACCEPTANCE REQUIREMENTS:

Inclusion of your product on the Approved Materials List is not blanket approval for its use.

All products, regardless of prior approval, shall be sampled in accordance with the Materials Sampling Manual.

DISQUALIFICATION:

Any splicing device may be removed from the Approve Materials List should any problem develop with application or performance. The Department must be notified in writing of any change in product formulation or dimensions. Significant changes may require reevaluation of the material.

REQUALIFICATION:

A splicing device which has been disqualified and removed from the Approved Materials List will be considered for reevaluation only after submission of a formal request along with acceptable evidence that the problem causing the disqualification has been resolved.

DOTD MATERIALS AND TESTING SECTION COORDINATOR

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Approved 2-5-15

A handwritten signature in black ink, appearing to read 'Chris Abadie', with a long horizontal flourish extending to the right.

CHRIS ABADIE, P.E.
MATERIALS ENGINEER ADMINISTRATOR